

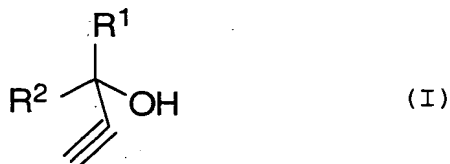
Preparation of acetylene alcohols

Abstract

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The present invention relates to a process for preparing acetylene alcohols of the general formula I

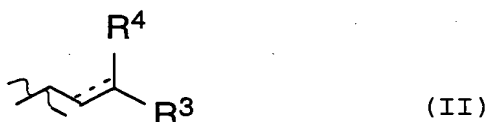
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15 where

R¹ and R² may be the same or different and are each independently hydrogen, a saturated or a mono- or polyunsaturated C₁-C₃₀-alkyl, aryl, cycloalkylalkyl or cycloalkyl radical, each of which may optionally be substituted, or a group of the general formula (II)

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where

R³ and R⁴ may be the same or different and are each independently hydrogen or a saturated or a mono- or polyunsaturated C₁-C₃₀-alkyl, aryl, cycloalkylalkyl or cycloalkyl radical, each of which may optionally be substituted, and the dashed line may represent an additional double bond,

35 by monoethynylating a ketone of the general formula R¹-CO-R² by

- (a) reacting lithium with a C₁-C₁₀-alkyl halide
- (b) feeding in acetylene gas
- (c) adding the ketone.

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